



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|-----------------------|---------------------|------------------|
| 09/266,674 | 03/11/1999 | DEREK JONATHAN HARPER | P-8609 | 6125 |

7590

07/27/2004

Charles W. Shifley
Banner and Witcoff
10 South Wacker Drive
Suite 3000
Chicago, IL 60606

EXAMINER

SIRMONS, KEVIN C

ART UNIT

PAPER NUMBER

3763

DATE MAILED: 07/27/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | | |
|------------------------------|-------------------------------|-------------------------------|--|
| Office Action Summary | Application No. 09/266,674 | Applicant(s) HARPER ET AL. | |
| | Examiner Kevin C. Simmons | Art Unit 3763 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 May 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4,6-13,16-22,24-31 and 33-40 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-4,6-13,16-22,24-31 and 33-36 is/are allowed.
- 6) ☒ Claim(s) 37,39 and 40 is/are rejected.
- 7) ☒ Claim(s) 38 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 37, 39 and 40 are rejected under 35 U.S.C. 103(a) as being unpatentable over Krueger et al in view of Kashmer et al U.S. Pat. No. 4,465,485.

Krueger discloses a drip chamber system for draining cerebral spinal fluid from a brain comprising: a fluid reservoir (55); an outlet manifold (73) in fluid communication with the fluid reservoir, the outlet manifold having an outlet (distal end of 73); an inlet manifold in fluid communication with the fluid reservoir (59), the inlet manifold having an inlet and an outer surface (fig. 25), the inlet manifold having a vent (66), the inlet manifold having an inside surface (fig. 25); drainage bag (81) and stopcock (76). Krueger does not clearly disclose a filter made of a porous material wherein the pore size of the filter ranges from greater than .45 um to about 5.0 um. Kashmer discloses a filter made of a porous material wherein the pore size of the filter ranges from greater than .45 um to about .5 um. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to substitute the filter of Krueger with the filter as disclosed by Kashmer to entrap and prevent microorganisms which may be found in a hospital environment from contaminating the drip/drainage bag/chamber (col. 6, lines 41-50).

Art Unit: 3763

Further, it would have been an obvious matter of design choice to a filter with a specific pore size of the filter greater than .45 um to about 5.0 um, since applicant has not disclosed that the aforementioned specification solves any stated problem in the art, provides an advantage or is for any particular purpose and it appears that the invention would perform equally well with a filter with a pore size range from .22 um to 5.0 um. The aforementioned ranges are taken directly from applicant's specification. As to claim 37, (Kashmer discloses a hydrophobic vent having a hydrophobic porous material (40); see above rejections).

Allowable Subject Matter

Claim 38 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 1-4, 6-13, 16-22, 24-31 and 33-36 are allowable over the prior art of record.

Response to Arguments

Applicant's arguments with respect to claims 37-40 have been considered but are moot in view of the new ground(s) of rejection.

Simply, Kashmer discloses a filter made of hydrophobic porous material (40). Therefore, Krueger in view of Kashmer discloses a filter hydrophobic porous material to entrap and prevent microorganisms, which may be found in a hospital environment.

Art Unit: 3763

Conclusion

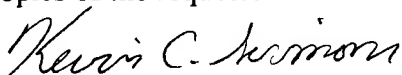
Applicant's amendment (claims 37-40) necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communication from the examiner should be directed to Kevin C. Sirmons whose telephone number is (703) 306-5410. The examiner can normally be reached on Monday - Thursday from 6:30 am to 4:00 pm. The examiner can also be reached on alternate Fridays.

IDS

Copies of the requested IDS's have been provided with this office action.


Kevin C. Sirmons
Patent Examiner
7/26/04